

## ABSTRACT

An object of the present invention is to provide, inexpensively and safely, a luminescence system, a method of luminescence, and a luminescent substance based on a novel luminescence mechanism that luminesces at high efficiency. The present invention relates to a luminescence system, wherein a first chemical substance changes into a second chemical substance having a chemical structure that is different from that of the first chemical substance and thereby luminesces. The present invention preferably relates to the luminescence system, wherein the second chemical substance turns back into the first chemical substance after luminescence.